

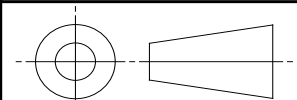
RATIONALE

AS1733E HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.



FIGURE 1 - BODY

THIRD ANGLE PROJECTION



PROCUREMENT SPECIFICATION: /3/ AS1730



AEROSPACE STANDARD

BODY, COUPLING, RIGID, FIXED CAVITY, THREADED,
FERRULE TYPE TUBE ENDS. TYPE II

AS1733
SHEET 1 OF 4

REV.
E

TABLE 1 - BODY DIMENSIONS

BASIC NO. AS1733 SIZE CODE /14/	(TUBE SIZE)	THREAD T PER FED-STD-H28/2 OR ASME B1.1 /10/ MOD	A +.005 -.000	B +.005 -.000	C +.010 -.000	D +.000 -.010	E +.005 -.000	F +.005 -.000	G	G TOL	H
04	.250	.687-12 UN-2A	.680	.529	.480	.298	.233	.375	.254	+.005/- .000	.720
05	.312	.750-12 UN-2A	.743	.580	.535	.353	.295	.437	.316	+.005/- .000	.720
06	.375	.812-12 UN-2A	.805	.635	.590	.408	.358	.500	.379	+.005/- .000	.720
08	.500	.937-12 UN-2A	.930	.762	.716	.534	.483	.625	.504	+.005/- .000	.720
10	.625	1.062-12 UN-2A	1.055	.900	.850	.668	.609	.750	.630	+.005/- .000	.735
12	.750	1.250-12 UNF-2A	1.243	1.033	.984	.802	.734	.890	.755	+.005/- .000	.735
16	1.000	1.500-12 UNF-2A	1.493	1.284	1.235	1.053	.984	1.142	1.005	+.005/- .000	.735
20	1.250	1.750-12 UN-2A	1.743	1.534	1.485	1.303	1.235	1.392	1.256	+.005/- .000	.735
24	1.500	2.000-12 UN-2A	1.993	1.783	1.735	1.553	1.480	1.642	1.506	+.005/- .000	.825
28	1.750	2.250-12 UN-2A	2.243	2.045	1.965	1.783	1.730	1.895	1.756	+.005/- .000	.835
32	2.000	2.500-12 UN-2A	2.493	2.292	2.235	2.053	1.981	2.145	2.006	+.005/- .000	.835
36	2.250	2.750-12 UN-2A	2.743	2.545	2.485	2.283	2.231	2.395	2.257	+.005/- .000	.835
40	2.500	3.000-12 UN-2A	2.993	2.800	2.713	2.531	2.481	2.645	2.507	+.005/- .000	.835
44	2.750	3.250-12 UN-2A	3.243	3.045	2.961	2.781	2.731	2.895	2.757	+.005/- .000	.835
48	3.000	3.625-12 UN-2A	3.618	3.395	3.340	3.158	2.979	3.145	3.007	+.005/- .000	.785
56	3.500	4.125-12 UN-2A	4.118	3.895	3.840	3.658	3.479	3.645	3.509	+.005/- .000	.785
64	4.000	4.625-12 UNS-2A /10/	4.603	4.395	4.340	4.158	3.979	4.155	4.009	+.005/- .000	.770
72	4.500	5.125-12 UNS-2A /10/	5.103	4.895	4.840	4.658	4.479	4.655	4.509	+.006/- .000	.950
80	5.000	5.625-12 UNS-2A /10/	5.602	5.378	5.325	5.143	4.979	5.155	5.009	+.006/- .000	.950



AEROSPACE STANDARD

BODY, COUPLING, RIGID, FIXED CAVITY, THREADED,
FERRULE TYPE TUBE ENDS, TYPE IIAS1733
SHEET 2 OF 4REV.
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TABLE 2 - BODY DIMENSIONS AND DESIGN INFORMATION

BASIC NO. AS1733 SIZE CODE /14/	J	K LEN GTH	K TOL	M	N PLACES LAND	P PLACES GROOVE	S +.020 -.010	W	X	Y PLACES	O- RINGS DASH NO. /11/	ALUM WEIGHT LB/EA APPROX REF
04	.234	.090	+.005/-0.000	.045	4	5	.210	.008-.010	.125	4	012	.008
05	.234	.090	+.005/-0.000	.045	4	5	.210	.008-.010	.125	4	013	.009
06	.234	.090	+.005/-0.000	.045	4	5	.210	.008-.010	.125	4	014	.011
08	.234	.090	+.005/-0.000	.045	4	5	.210	.008-.010	.125	4	016	.014
10	.250	.100	±.010	.045	4	5	.225	.008-.010	.125	8	018	.017
12	.250	.100	±.010	.045	4	5	.225	.008-.010	.187	8	020	.022
16	.250	.100	±.010	.045	4	5	.225	.008-.010	.187	8	024	.028
20	.250	.100	±.010	.045	4	5	.225	.008-.010	.187	8	028	.033
24	.250	.100	±.010	.045	5	6	.225	.008-.010	.187	8	030	.043
28	.250	.100	±.010	.075	5	6	.205	.008-.010	.250	8	032	.048
32	.250	.105	±.010	.075	5	6	.205	.008-.010	.250	8	034	.054
36	.279	.110	±.010	.075	5	6	.205	.008-.010	.250	8	036	.063
40	.279	.110	±.010	.075	5	6	.205	.008-.010	.250	8	038	.070
44	.279	.110	±.010	.075	5	6	.205	.008-.010	.250	8	040	.077
48	.309	.060	±.010	.075	5	6	.205	.008-.010	.250	8	042	.101
56	.309	.060	±.010	.075	5	6	.205	.014-.016	.250	8	044	.114
64	.309	.100	±.010	.075	4	5	.230	.014-.016	.250	8	046	.127
72	.409	.100	±.010	.075	6	7	.260	.020-.024	.250	8	048	.186
80	.409	.100	±.010	.075	6	7	.260	.020-.024	.250	8	050	.205

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AEROSPACE STANDARD

BODY, COUPLING, RIGID, FIXED CAVITY, THREADED,
FERRULE TYPE TUBE ENDS, TYPE II

AS1733
SHEET 3 OF 4

REV.
E